

## ABSTRACT

A semiconductor integrated circuit device includes a logic circuit and a synchronous dynamic random access memory including a core unit, integrated on a single semiconductor chip. The semiconductor integrated circuit device includes a synchronous dynamic random access memory control circuit which receives external control signals for the synchronous dynamic random access memory from the logic circuit, and outputs internal control signals to the core unit of the synchronous dynamic random access memory. For testing of semiconductor integrated circuit device, external test signals are provided through external terminals. The external test signals are selected by a selector, and are provided to the core unit of the synchronous dynamic random access memory for testing.